

IN THE CLAIMS

Claims 1-15, 17-30, 32-35, and 37-38. (Cancelled)

16. (currently amended) A metal structure for forming a composite part, the structure comprising a steel surface having adhered thereon a cured adhesive with polyamide polymer particulates dispersed therein, the particulates having a chopped film shape, the cured adhesive and particulates being able to produce a formed composite part at temperature levels between 500°F to 700°F.

31. (Currently amended) The metal structure of Claim 16 wherein the cured operating temperature of the adhesive and particulates are greater than a leaching temperature of the part, the leaching temperature being a temperature at which acid from the composite part leaches iron from the metal surface to produce a less than full-utility composite part out of the structure.

36. (Currently amended) The metal structure of Claim 16 ~~35~~—wherein the particulate has a total surface area of about 0.008 square inches for providing a smooth surface finish to the composite part.

39. (Cancelled)

40. (Currently amended) A structure to form a composite part having a forming temperature of above 500°F, the structure comprising:

a. a metal surface defining a leaching temperature with respect to the composite part, the leaching temperature being a temperature at which acid from the composite part leaches iron from the metal surface to produce a less than full-utility composite part out of the structure, the forming temperature being greater than the leaching temperature; and

b. a mixture adhered to the metal surface, the mixture being a cured adhesive with polyamide polymer particulates dispersed within the cured adhesive, the particulates having a chopped film shape, the mixture defining an operating temperature, the operating temperature being having an operating temperature greater than the forming

~~temperature, the operating temperature being up to 700°F and a temperature at which the mixture when interposed between the composite part and metal surface prevents acid from the composite part from leaching iron from the metal surface to produce a full-utility composite part out of the structure, the operating temperature being greater than the forming temperature.~~

41. (previously presented) The structure of Claim 40 wherein the particulate has a total surface area of about 0.008 square inches for providing a smooth surface finish to the composite part.

42. (previously presented) The structure of Claim 40 wherein the mixture is coated over the metal surface.

43. (previously presented) The structure of Claim 42 wherein the mixture conforms to the metal surface in film form.

44. (previously presented) The structure of Claim 40 wherein the particulates are evenly dispersed in the cured adhesive such that the composite part has full-utility out of the structure.

45. (previously presented) The structure of Claim 40 wherein the metal surface is a steel surface.

46. (Cancelled)

47. (New) A fiber-reinforced resin composite part comprising a steel substrate and a cured resin layer in between the steel substrate and the fiber-reinforced resin part wherein the cured resin layer comprises dispersed polyamide particles, is resistant to temperatures up to 700°F, and prevents acid in the composite part from leaching iron from the steel substrate.

48. (New) The composite part of Claim 47 wherein the particles has a total surface area of about 0.008 square inches.

49. (New) The composite part of Claim 47 wherein the resin layer is coated over the steel substrate.

50. (New) The composite part of Claim 49 wherein the mixture conforms to the steel substrate in film form.

51. (New) The composite part of Claim 47 wherein the particles are evenly dispersed in the cured resin layer such that the composite part has full utility out of the cured resin layer and steel substrate.

52. (New) The composite part of Claim 47 wherein the particles have a chopped film shape.